

## SYSTEM AND METHOD FOR PROVIDING TRANSFORMATION OF MULTI- PROTOCOL PACKETS IN A DATA STREAM

### ABSTRACT

A system and method for facilitating packet transformation of multi-  
5 protocol, multi-flow, streaming data. Packet portions subject to change are  
temporarily stored, and acted upon through processing of protocol-dependent  
instructions, resulting in a protocol-dependent modification of the temporarily stored  
packet information. Validity tags are associated with different segments of the  
temporarily-stored packet, where the state of each tag determines whether its  
10 corresponding packet segment will form part of the resulting modified packet. Only  
those packet segments identified as being part of the resulting modified packet are  
reassembled prior to dispatch of the packet.

Patent Application